

What optical module does Huawei AAU use



AI Overview

Huawei AAUs use SFP/SFP+ optical modules to connect to the baseband unit (BBU) via fiber, supporting data rates up to 9.8 Gbit/s per port. Overview Huawei Active Antenna Units (AAUs) integrate the antenna and radio frequency (RF) units into a single outdoor enclosure, often including Massive MIMO and beamforming capabilities. To connect the AAU to the baseband or central unit, fiber optic links are used, and these require compatible optical modules inserted into the AAU's optical ports.

Optical Module Specifications

- Form Factor:** SFP (Small Form-factor Pluggable) or SFP+ modules are typically used in Huawei AAUs.
- Data Rate:** Each optical port supports a maximum data rate of 9.8 Gbit/s, suitable for CPRI or eCPRI fronthaul connections.
- Port Configuration:** AAUs generally have two optical ports (Port 0 and Port 1), each requiring an optical module for fiber connectivity.
- Compatibility:** The optical module must match the port's data rate and the required transmission distance. Huawei provides guidance on selecting modules based on CPRI optical fiber configurations and deployment scenarios.
- Labeling:** Each module is labeled with its rate, wavelength, and transmission mode, which ensures proper installation and interoperability.

Examples of AAUs and Optical Modules

- AAU3902:** Uses optical modules to transmit signals between the AAU and fiber optic cables, supporting standard CPRI/eCPRI interfaces.
- AAU5835f:** Integrates the active module and passive antenna, with optical modules connecting the radio unit to the fronthaul network.
- AAU5942:** Features optical ports with SFP modules for BBU connectivity, supporting up to 9.8 Gbit/s per port.

Practical Considerations

When deploying or maintaining Huawei AAUs: Ensure module compatibility with the AAU port data rate and distance requirements. Use manufacturer-approved SFP/SFP+ modules to maintain network p...

Article Content

AAU5356 Description | PDF | Mimo | Antenna (Radio)

The document provides an overview of the AAU5356 product by Huawei Technologies, detailing its characteristics, technical specifications, installation guidelines, and vulnerability handling

AAU5614 Hardware Description (Draft D) (PDF)

Optical modules to be installed must match the rates of their corresponding ports. Only Huawei-certified optical modules meeting the following requirements can be used

Installation Guide

7 Preprocessing the AAU Maintenance Cavity Before installing an AAU, take power terminals out of its maintenance cavity and install optical modules.

Explain the concept of Huawei's Active Antenna Unit (AAU) in 5G

The Active Antenna Unit (AAU) is a fundamental element in the radio access network (RAN) of a 5G network. Its primary purpose is to enhance the efficiency and performance of the radio

AAU3902 Hardware Description (10) (PDF)

The exterior and label on an optical module in this section are for reference only. Only Huawei-certified optical modules meeting the following requirements can be used

AAU5972 Hardware Description | Huawei Active Antenna Unit Manual

Explore the Huawei AAU5972 Hardware Description. This technical manual details the active antenna unit's exterior, functions, ports, indicators, RET system, engineering specifications, and cable types

HUAWEI AAU3940 AAU Hardware Maintenance Guide

This Hardware Maintenance Guide is for AAU AAU3940. It provides instructions for routine maintenance, powering on and off, replacing the AAU and modules, and replacing optical modules.

RRU5901 Hardware Description

NOTE: The exterior and label on an optical module in this section are for reference only. Boards or RF modules supporting only the 1.25 Gbit/s CPRI port rate, for example, a GTMU or RRU3908 V1,

Huawei AAU Guide: How to Choose the Right 5G Active

About Huawei AAU: Definition and Typical Use Cases A Huawei AAU—Active Antenna Unit—is not just an antenna. It's an integrated hardware

Huawei AAU3902 Hardware Description

This section describes engineering specifications of an AAU, including input power and equipment specifications. 2.7 Optical Modules An optical module transmits optical signals between an optical

AAU5339 Hardware Description (01) (PDF)

Optical modules to be installed must match the rates of their corresponding ports. Only Huawei-certified optical modules meeting the following requirements can be used

AAU5636 (2300-2600 MHz) Installation Guide (03) (PDF)-En

Citation preview AAU5636 (2300-2600 MHz) Installation Guide Issue 03 Date 2022-10-25 HUAWEI TECHNOLOGIES CO., LTD.

AAU3902 Hardware Description

In the RET system, the RCU is used to remotely adjust the downtilts of AU beams. 2.6 AAU Engineering Specifications This section describes engineering specifications of an AAU,

Huawei AAU Guide: How to Choose the Right 5G Active

A practical, no-fluff guide to Huawei AAUs—what they are, how they differ across models (Blade, Meta, Tri-band), key specs to evaluate, and when a

What is an Active Antenna Unit (AAU)?

An active component, on the other hand, does require electrical power. That's why the AAU is classified as an "active" unit. How is the AAU connected? It requires a power cable to operate.

AAU5636 (2300-2600 MHZ) Hardware Description (01) (PDF)

Optical modules to be installed must match the rates of their corresponding ports. Only Huawei-certified optical modules meeting the following requirements can be used

AAU5636 (2300-2600 MHZ) Installation Guide (03) (PDF)

Therefore, keep the optical module plugged with a dustproof plug before you connect an optical ber ber to to an optical module. Step 6 Connect the end labeled 1A and 1B on the optical ber

AAU□RRU□BBU huawei zte base stations new and original ycict

AAU□RRU□BBU huawei zte base stations new and original ycict 2g 3g lte 5g module
ftth and ont olt optical transmission new and original good prices ycict

Huawei AAU

Huawei 3G, 4G/LTE, 5G Wireless DBS BBU+RRU, Huawei Core Network, OptiX
OSN8800, OSN9800 Reseller. Large inventories of Huawei EOL spare parts.

AAU3902 Hardware Description

Optical Module Type Optical modules can be divided into single- and multimode
optical modules, which can be distinguished as follows: I The puller of a single-mode
optical module is blue

Huawei AAU: Active Antenna Unit Explained

WHAT IS AAU? ----- AAU = Active Antenna Unit It combines: - Antenna - RRU
(Remote Radio Unit) - Power Amplifier - RF Processing Module into a single integrated
device.

AAU5356 Technical Specifications

Technical specifications for the Huawei AAU5356 radio access unit, including RF,
antenna, and engineering details. V100R021C00.

Description

The AAU adopts the industry-leading power amplification technology, Huawei-
developed IF and RF chip, and Huawei's unique antenna element technology.
Therefore, it features ultra-high power to provide

Explain the concept of Huawei's Active Antenna Unit (AAU) in 5G

Huawei's Active Antenna Unit is a critical component in 5G network architecture,
incorporating advanced technologies such as Massive MIMO and beamforming to
enhance network

AAU5733 HW Description | PDF

AAU "BBU5900 Signal Description The following table describes the labels on the DLC
optical fiber. The installation positions in the table are recommended. Table 1-7
Labels on the DLC optical fiber Label

Contact Us

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